

Part 573 Safety Recall Report

16C-006

Manufacturer Name : Combi USA, Inc.

Submission Date : JUN 29, 2016

NHTSA Recall No. : 16C-006

Manufacturer Recall No. : 610



Manufacturer Information :

Manufacturer Name : Combi USA, Inc.

Address : 3520 Westinghouse Blvd., Suite B
Charlotte NC 28273

Company phone : 9809394585

Population :

Number of potentially involved : 39,395

Estimated percentage with defect : 100 %

Child Restraint Information :

Make 1 : Combi

Model : Coccoro

Seat Type : OTHER

Model No. : 8220

Platform Name / No. : Coccoro / 820

Brand Name : Combi

Descriptive Information : Convertible Car Seat (Child Restraint)

Production Dates : JAN 01, 2009 - JUN 29, 2016

Description of Noncompliance :

Description of the Noncompliance : In recent testing in response to NHTSA's OA-213-160429C inquiry, our testing at MGA indicates that the Coccoro can exceed the 60 g limit as specified in FMVSS 213, S5.1.2.1 (b) at times due to variation in test set-up.

FMVSS 1 : 213 - Child restraint systems

FMVSS 2 : NR

Description of the Safety Risk : Very low to no risk in real world crash situations. The high g situation that occurs with the Coccoro is more of an artifact associated with testing per FMVSS 213 and the FMVSS 213 test bench. Combi USA has not received any reports of deaths and/or injuries associated with the Coccoro.

Description of the Cause : Based on analyzing recent crash test data, it appears that due to the Coccoro having a small surface contact area with the test bench, and a stiff structure that it tends to bottom out on the test bench during dynamic testing and transfer energy through the seat and into the ATD rather than absorbing or dissipating the energy. This characteristic of the Coccoro causes it to trend towards the upper end of the acceptable chest g range during dynamic testing.

Identification of Any Warning
that can Occur :

This coupled with set-up variation in the seat angle causes the Coccoro to be susceptible to high g's during dynamic testing.

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

- Combi USA received notice OA-213-160429C on May 2, 2016 notifying us of a potential non-compliance to FMVSS 213 due to a high g situation.
- Combi USA investigated this situation during May and June of 2016 and found that due to set-up variation, the Coccoro can be susceptible to high chest g's.
- Combi USA responded to NHTSA on June 17, 2016.

Description of Remedy :

Description of Remedy Program : - Combi will provide a bottom cover that can be added to the seat owned by affected consumers.
- In testing on June 27, 2016, the bottom cover appears to significantly reduce the chest clip results when tested per FMVSS 213 requirements.
- The recall kit will include a bottom cover, 2 screws, a screw driver, and installation instructions. Note: Screw holes already exist on the Coccoro that will be used to attach the bottom cover.
- Combi USA will set-up a call center to receive inquiries and distribute the recall kit.

How Remedy Component Differs from Recalled Component : The remedy is an additional component (bottom cover/plate) that will be added to the Coccoro.

Identify How/When Recall Condition was Corrected in Production : Combi has now completed tooling of the bottom cover and will add it to all new production units effective immediately.

Recall Schedule :

Description of Recall Schedule : Combi USA will be ready to start distribution of recall kits on July 11, 2016

Planned Dealer Notification Date : JUL 11, 2016 - AUG 11, 2016

Planned Owner Notification Date : JUL 11, 2016 - AUG 11, 2016

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported